

THAT WHICH IS CLAIMED IS:

1. An edible composition for oral delivery of a retinide, said comprising, in the form of a dry flowable powder:
 - (a) from 1 to 10 percent by weight of retinide;
 - 5 (b) from 5 to 40 percent by weight of non-acidic lipid matrix composition, said matrix composition comprising at least one fatty acid, at least one monoglyceride, and lysophosphatidylcholine, and said lipid matrix composition containing not more than 4 moles water per mole of lipid matrix;
 - (c) from 1 to 30 percent by weight of sweetener;
 - 10 (d) from 20 to 80 percent by weight flour; and
 - (e) from 0 to 16 percent by weight of a humectant.
2. The composition of claim 1, wherein said retinide is fenretinide.
- 15 3. The composition of claim 1, said lipid matrix composition comprising (i) at least one non-esterified fatty acid having 14 to 22, carbon atoms (ii) at least one monoglyceride which is a monoester of glycerol and a fatty acid having 14 to 22 carbon atoms, and (iii) lysophosphatidylcholine in which the fatty acid moiety has 14 to 22 carbon atoms, wherein said fatty acids and monoglycerides together comprise
20 from 70 mole percent to 99 mole percent of said lipid matrix composition, the molar ratio of said fatty acids to the monoglycerides is from 2:1 to 1:2, and said lysophosphatidylcholine comprises from 1 mole percent to 30 mole percent of said lipid matrix composition.
- 25 4. The composition of claim 1, wherein said sweetener is selected from the group consisting of sucrose, dextrose, fructose, maltodextrin, glucose, tagatose, lactose, invert sugar, maltose, sucralose, sodium cyclamate, sodium saccharin, and aspartame.
- 30 5. The composition of claim 1, said flour selected from the group consisting of rice flour, potato flour, corn flour, masa corn flour, tapioca flour, buckwheat flour, wheat flour, oat flour, bean flour, barley flour, rye flour, millet flour, sorghum flour, chestnut flour, and mixtures thereof.

6. The composition of claim 1, said composition having an a_w less than 0.85.

7. The composition of claim 1, wherein said humectant is included in said composition in an amount of at least 1% by weight and is selected from the group consisting of corn syrup, high fructose corn syrup, polyhydric alcohols, polydextrose, combinations thereof, and combinations thereof.

8. The composition of claim 1, said lipid matrix composition further comprising water in an amount not greater 3 moles water per mole lipid matrix.

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9. The composition of claim 1, wherein said composition comprises:

(a) from 2 to 6 percent by weight of said retinide, wherein said retinide is fenretinide;

(b) from 10 to 30 percent by weight of said lipid matrix composition;

15 (c) from 5 to 30 percent by weight of said sweetener (lower amounts being possible by inclusion of high intensity sweeteners as discussed below);

(d) from 30 to 60 percent by weight flour.

10. A mixed food composition comprising the composition of claim 1 in combination with a food carrier.

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11. The mixed food composition of claim 10, wherein said food carrier is selected from the group consisting of liquid soy-based nutritional supplement, oatmeal, pudding, ice creams, sorbet, apple sauce, and fruit juice.

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12. A caked food product formed from a composition of claim 1.

13. The composition of claim 1 packaged in a bulk or unit dose container.

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14. A method of making a composition of claim 1, comprising the steps of:

combining a retinide with a non-acidic lipid matrix composition, said matrix composition comprising at least one fatty acid, at least one monoglyceride, and lysophosphatidylcholine, and said lipid matrix composition

containing not more than 4 moles water per mole of lipid matrix to form a viscous fluid; and then

mixing said viscous fluid with sweetener and flour with sufficient shear stress to produce a flowable powder composition according to claim 1.

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15. A method of treating a hyperproliferative disorder in a subject in need thereof, comprising feeding said subject a composition according to claim 1 in an amount effective to treat said hyperproliferative disorder.

10 16. The method of claim 15, wherein said feeding step is carried out by directly orally feeding said composition to said subject.

17. The method of claim 15, further comprising the step of diluting said composition in a food or beverage prior to said feeding step.

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18. The method of claim 17, wherein said food or beverage comprises a liquid soy-based nutritional supplement.

19. The method of claim 15, wherein said subject is an infant or juvenile subject.

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20. The method of claim 15, wherein said subject is a geriatric subject.

21. The method of claim 15, wherein said feeding step comprises feeding said composition to said subject through a gastric, jejunal, naso-gastric or nasal-jejunal feeding tube.

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22. The method of claim 21, wherein said feeding step is carried out by (i) combining said dry powder with a liquid to produce a liquid composition, and then (ii) delivering said liquid composition to said subject through said feeding tube.

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